

Message Text

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70

ACTION EPA-04

INFO OCT-01 EUR-12 ISO-00 OES-06 AID-05 CEQ-01 CIAE-00

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TO SECSTATE WASHDC 8922

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UNCLAS STOCKHOLM 5679

DEPT FOR EPA: JOHN BLANE;
OSLO FOR WILLIAM MANSFIELD

E.O. 11652: N/A

TAGS: SENV, SW, NO

SUBJECT: SWEDISH REPORT ON LONG-RANGE TRANSPORT OF POLLUTANTS
FROM NORTH AMERICA

REF: STATE 247125

1. ALF NYBERG, SWEDISH METEOROLOGICAL AND HYDROLOGICAL
INSTITUTE, HAS PUBLISHED A REPORT (RMK 6, 1976) ENTITLED "ON
TRANSPORT OF SULPHUR OVER THE NORTH ATLANTIC." COPY WILL BE
AIRMAILED TO EPA ON OCTOBER 15. BETWEEN OCTOBER 1973 AND
JULY 1974 AND APRIL 1974 AND JULY 1975, NYBERG COLLECTED
PRECIPITATION ON BOARD DUTCH AND UK WEATHERSHIPS. THE
TOTAL NUMBER OF USEABLE SAMPLES TOTALED 26 WHICH WERE
ANALYZED AT THE INTERNATIONAL METEOROLOGICAL INSTITUTE IN
STOCKHOLM. ANALYTICAL INTEREST FOCUSED ON THE SULPHUR
CONTENT OF THE COLLECTED WATER. (DETAILS ARE PRESENTED
IN TABLES I AND II, PAGES 4 AND 7 OF REFERENCED REPORT).
THE AUTHOR'S CONCLUSIONS ARE QUOTED AS FOLLOWS: 11.
THE AIR COMING FROM NORTH AMERICA WILL PROBABLY OFTEN
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CONTAIN A CERTAIN AMOUNT OF SULPHUR (EXCESS SULPHUR) WHEN

ARRIVING IN EUROPE AND MORE SO THAN IS CONTAINED IN AIR
COMING FROM THE AREA OF THE AZORES.

2. THE FALL OUT OF SULPHUR WITH PRECIPITATION IN CENTRAL
EUROPE IS DEPENDING ON EMISSION IN NORTH AMERICA TO A
SMALL EXTENT, SAY ABOUT 10 PERCENT OR EVEN LESS, WHEREAS IN
NORTHERN SCANDINAVIA WHERE THE TOTAL CONTENT OF SULPHUR
FALL OUT IS ABOUT 0.5 MG/1 THE NORTH AMERICAN CONTRIBUTION
MAY RAISE TO AS MUCH AS ABOUT 30 PERCENT. THIS IS NOT ONLY
"LONG RANGE" TRANSPORT BUT WE HAVE HERE A TRUE
HEMISPHERICAL TRANSPORT."

2. LENNART GRANAT, METEOROLOGICAL INSTITUTE AT STOCKHOLM
UNIVERSITY, HAS BEEN WORKING ON AIR TRANSPORT OF SULPHUR
FOR SOME YEARS. HE IS IN CHARGE OF SWEDEN'S 35 AIR
SAMPLING STATIONS (SEE 75 STOCKHOLM A-4, PAGES 1-2 FOR A
SUMMARY OF GRANAT'S ACTIVITY) AS OF JANUARY 1975.

3. THE NORWEGIAN INSTITUTE FOR AIR POLLUTION HAS PREPARED
A SURVEY REPORT ON LONG RANGE TRANSPORT OF AIR POLLUTANTS
(LRTAP) FOR OECD. REPORTING OFFICER WAS TOLD ON OCTOBER 1
BY THE DIRECTOR GENERAL OF THE NORWEGIAN MINISTRY OF
ENVIRONMENT THAT THE REPORT FOR OECD IS FINISHED, BUT MUST
BE SUBMITTED TO OECD FOR INFRA CLEARANCE. THE CONCLUSIONS
STATE THAT CONSIDERABLE TRANSPORT OF POLLUTANTS ORIGINATES
IN THE DDR, FRG, UK, AND OTHER COUNTRIES. AN EAST-
WEST MONITORING PROGRAM IS EXPECTED TO BE PROPOSED AT THE
ECE MEETING IN NOVEMBER 1976. EPA EXPERTS HAVE
PARTICIPATED WITH NORWEGIANS IN THE PREPARATIONS OF THE
MONITORING PROPOSAL.
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